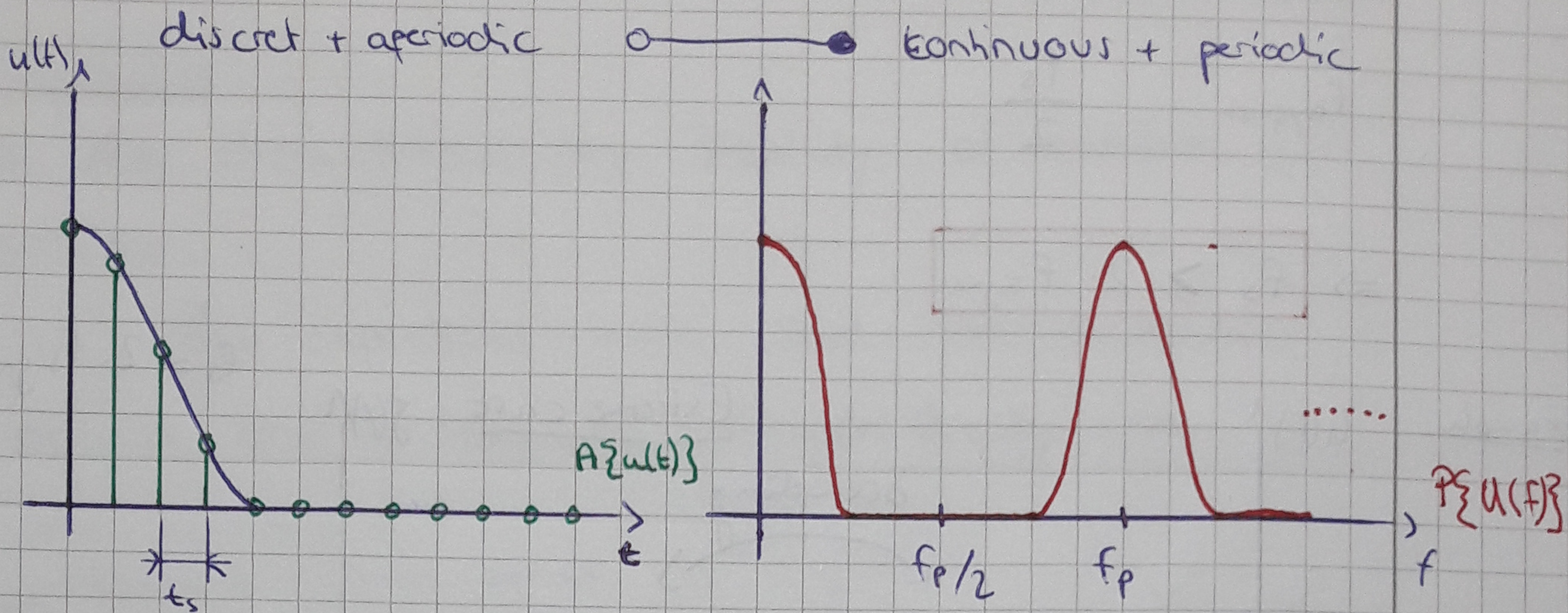


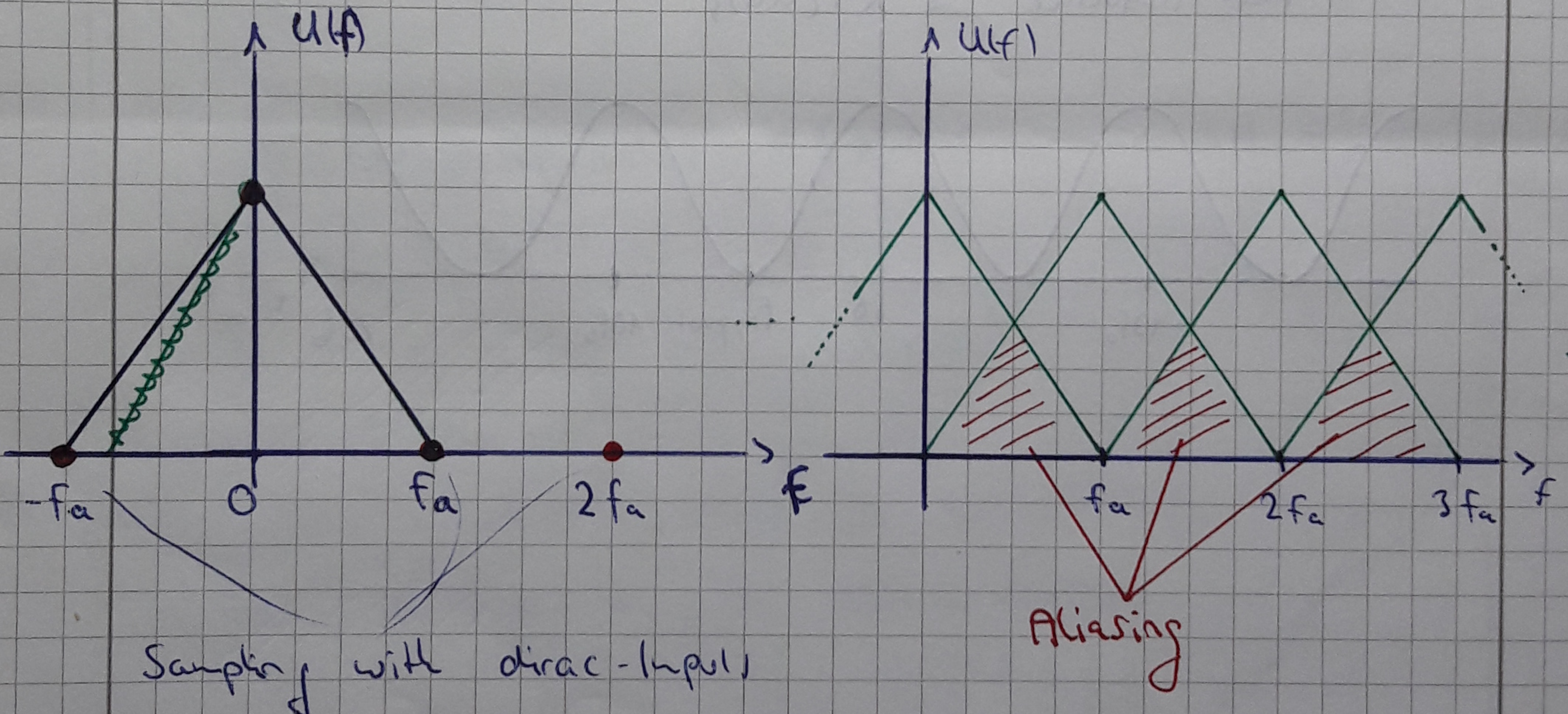
Example



$$t_s = \frac{1}{f_p}$$

Aliasing

→ produced by low sample rates



→ If aliasing occurs there will be a loss of information of the signal!

→ aliasing occurs only in the frequency range

→ How to prevent aliasing?

- using an anti-aliasing low pass before the sampling of the signal
- regard of the nyquist-condition
- ~~oversampling~~ oversampling